EkInBot- A Humanoid Platform for Human Robot Interaction using Finger Gesture Identification

Abstract

This paper discusses about a simple Humanoid platform EkInBot, specifically designed for Human Robot Interaction Using Dynamic Finger gestures. EkInBot stands for Electronically Interactive Robot and has 8 Degrees of Freedom. The paper emphasis on design and realization of a simplified humanoid robot and implementing finger gesture identification using a system analogous to a Data Glove. The proposed gesture recognition mechanism has accelerometer sensors, that tracks finger movements and moves the robot with respect to it.

References

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**Index Terms**

Computer Science  
Automation

**Keywords**

Centre Of Gravity (cog)  
Centre Of Mass (com)  
Degrees Of Freedom (dof)  
Gestures  
Humanoid Robot  
Human Robot Interaction (hri)